

frame (Figure 41). Make sure the attached string follows the same path that the cable does through the frame.

9. Remove the tape and untie the string from the old cable.

10. Lubricate the new cable as described in Chapter Three.

11. Tie the string to the new choke cable and wrap it with tape.

12. Carefully pull the string back through the frame routing the new cable through the same path as the old cable.

13. Remove the tape and untie the string from the cable and the frame.

14. Attach the choke cable to the carburetor choke lever.

15. Attach the choke cable to the handlebar upper holder and tighten the nut.

16. Operate the choke lever and make sure the carburetor choke linkage is operating correctly and with no binding. If operation is incorrect or there is binding carefully check that the cable is attached correctly and there are no tight bends in the cable.

17. Install the fuel tank and seat/rear fender assembly.

## FUEL TANK

### Removal/Installation

1. Place the ATC on level ground and set the parking brake or block the wheels so the vehicle will not roll in either direction.

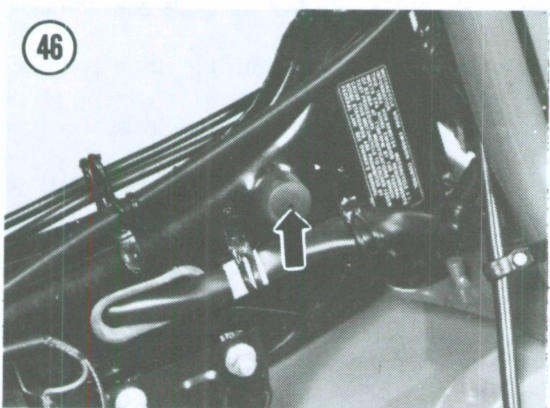
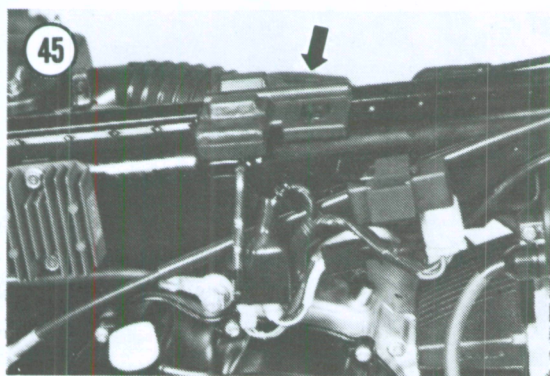
2. Remove the seat/rear fender assembly.

3. Disconnect one fuel line (Figure 42) at a time from the fuel shutoff valve and plug with a golf tee (Figure 43). Perform this step on both fuel lines.

4A. On ATC90 models, unhook the rubber strap securing the rear of the fuel tank. Pull the tank up and toward the rear and remove the tank.

4B. On all other models, remove the bolt(s) securing the rear of the fuel tank (Figure 44). Pull the tank up and toward the rear and remove the tank.





5. Inspect the rubber cushions (Figure 45 and Figure 46) on the frame where the fuel tank is held in place. Replace as a set if either is damaged or starting to deteriorate.

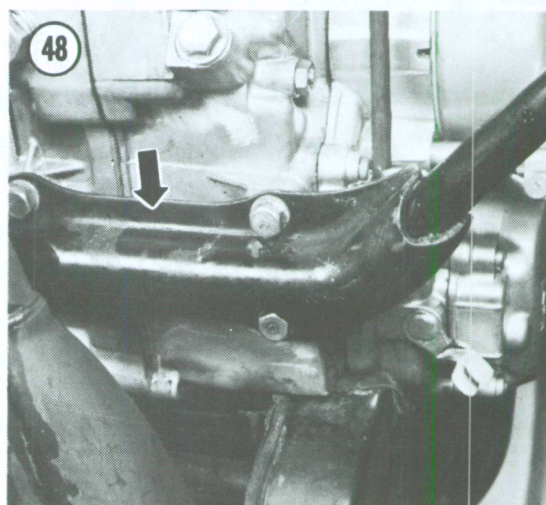
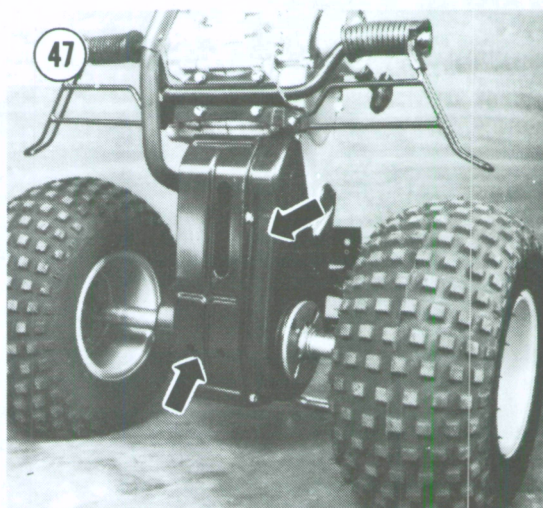
6. Install by reversing these removal steps.

### EXHAUST SYSTEM

The exhaust system is a vital performance component and frequently, because of its design, it is a vulnerable piece of equipment. Check the exhaust system for deep dents and fractures and repair them or replace parts immediately. Check the muffler frame mounting flanges for fractures and loose bolts or nuts. Check the cylinder head mounting flange for tightness. A loose exhaust pipe connection will not only rob the engine of power, it could also damage the piston and cylinder.

The exhaust system consists of a one-piece exhaust pipe, muffler and tailpipe assembly.

The following procedure represents a typical exhaust system removal and installation. Minor variations exist among the different models and years. Pay particular attention to the location of bolts, washers and nuts not shown in this procedure. Make sure all mounting hardware is installed and attached correctly.



### Removal/Installation (1973-1974 ATC70; All ATC90 and ATC110)

1. Place the ATC on level ground and set the parking brake or block the wheels so the vehicle will not roll in either direction.
2. Remove the seat/fender assembly.
3. For ease of removal, set the ATC up on end. Wrap the rear chrome handle with a shop cloth to protect the finish.
4. Remove the bolts securing the lower frame guard and remove the frame guard (Figure 47).
5. On ATC70 models, remove the bolts securing the footpeg assembly and remove the footpeg assembly (Figure 48).
6. Set the ATC back down on its wheels.
- 7A. On ATC70 models, perform the following:

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